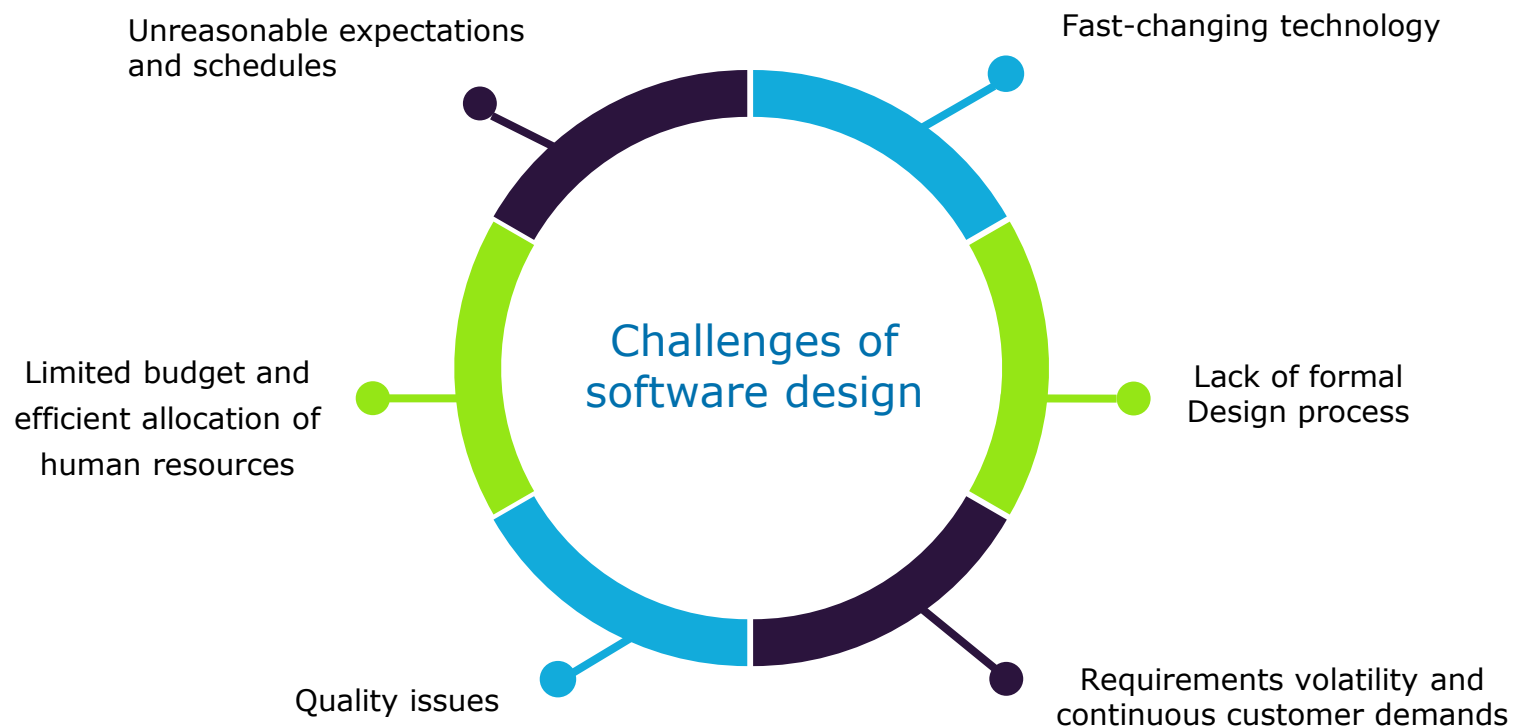


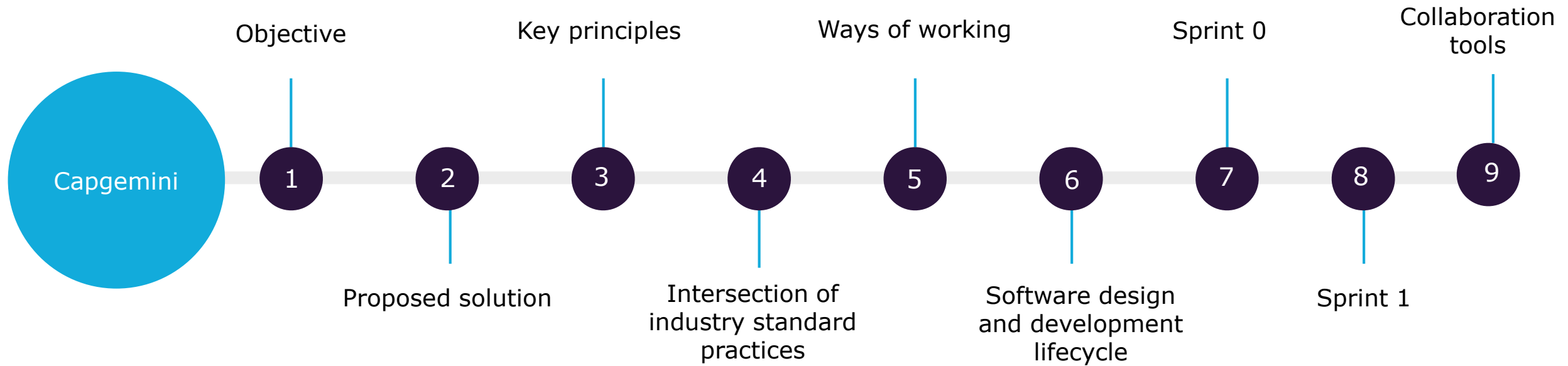


Accelerated Solution Design

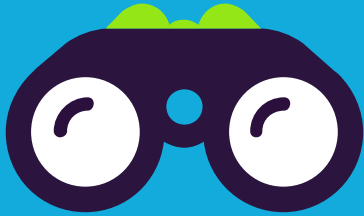
Valencia, February 2018, AD Center

Challenges of Software Design















Objective



Formalize Software Design in the context of the Capgemini AD Center concept or other forms of agile Delivery within Capgemini to better understand, apply and promulgate well known design principles, processes and professional practices



Proposed solution: Accelerated solution design

 A methodology	A practical guideline 
 A static, fixed document	A “living” document 
 Based on proprietary methods	Based on industry standards 
 Separate agile teams	The intersection of industry standard practices 
 Only focused on technical/architectural design	Encapsulating business requirements, functional definitions and Architecture design 



Key principles

ASD begins as a design, evolves into a system specification and ends as documentation



Involve end users in the development lifecycle



Learn and apply continuous improvement



Visualize

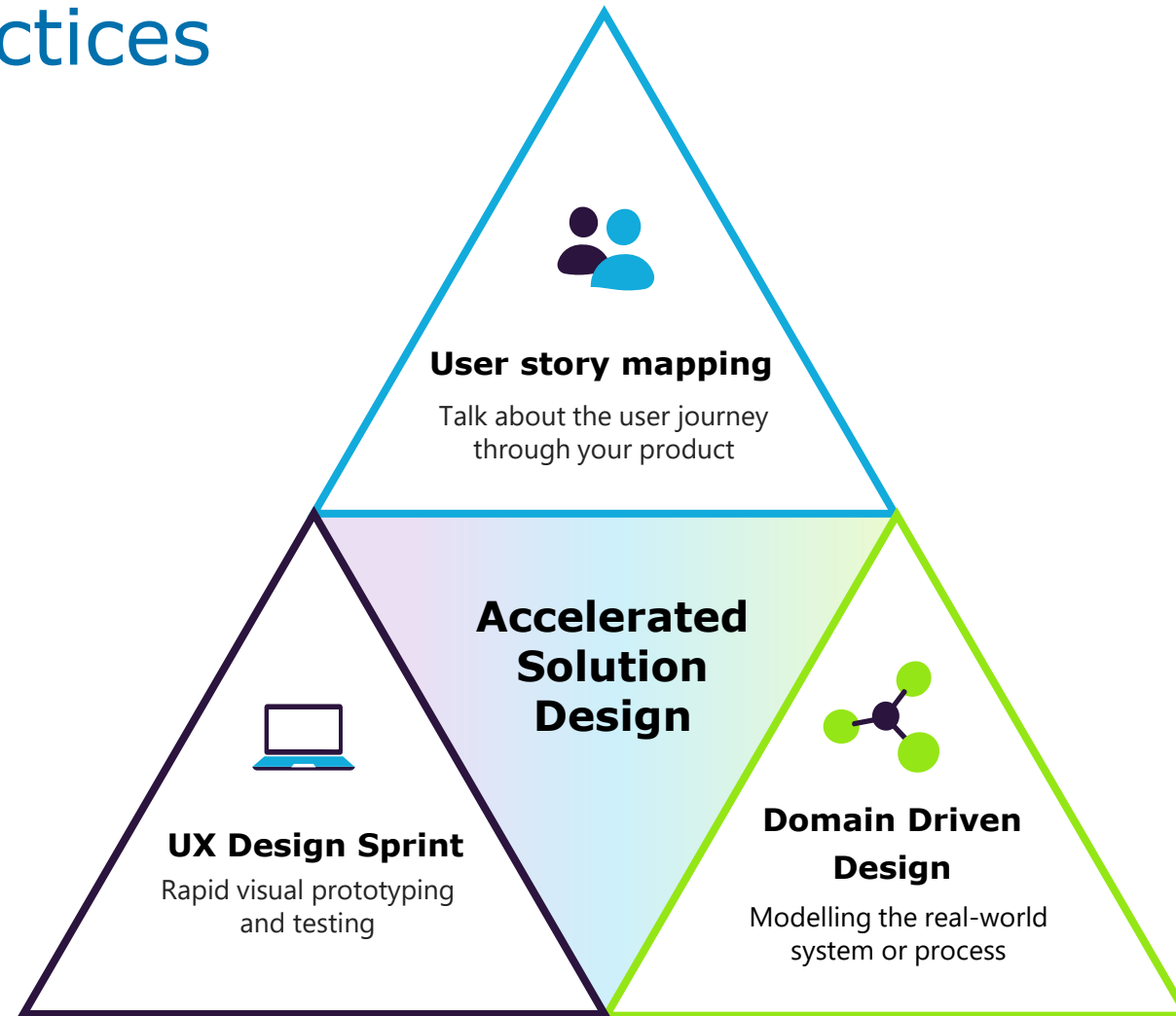


Be iterative



Improve communication and collaboration among the teams (Customer, Design team and Development team)

Intersection of industry standard practices

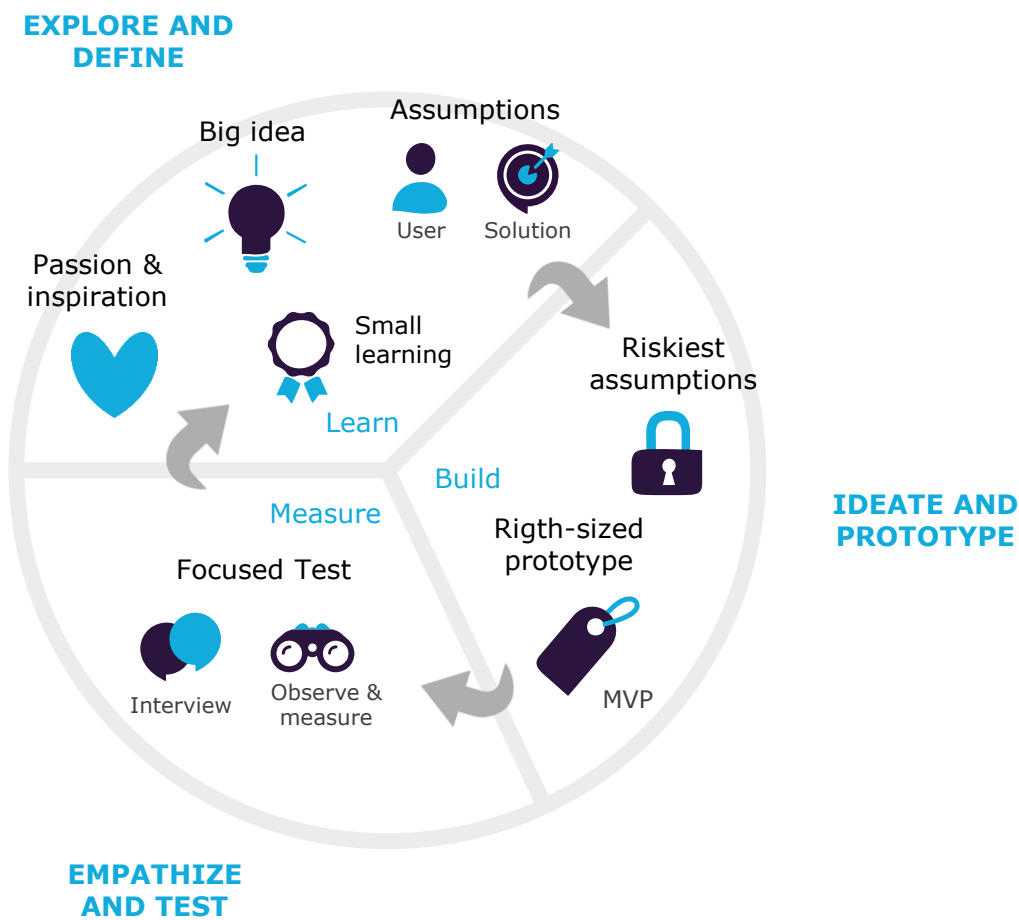


Ways of Working

Process to be followed at the AD Center
to deliver the solution



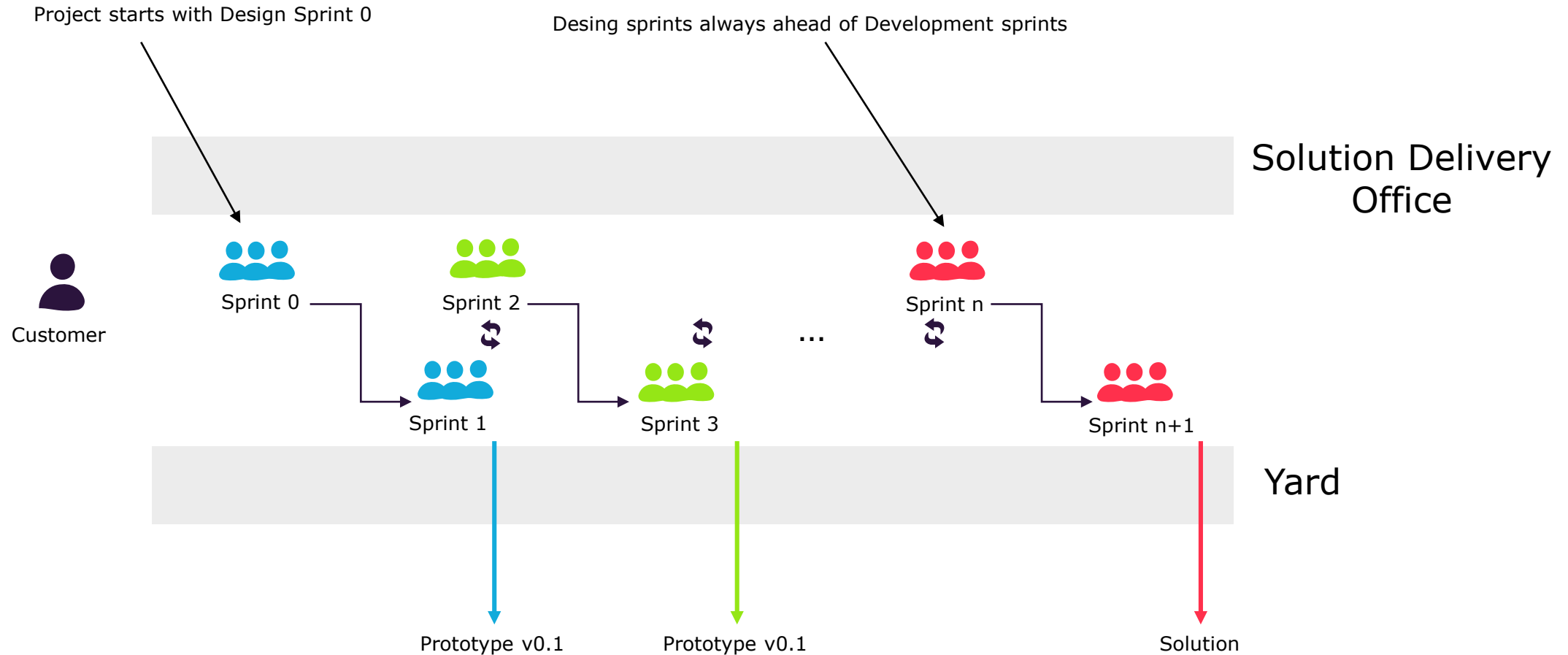
Continuous validation



This process synthesizes the essence of the **Design Sprint**.

The Solution Design Office and Development team will **work together** to model, test and improve the system design.

Software design and development lifecycle



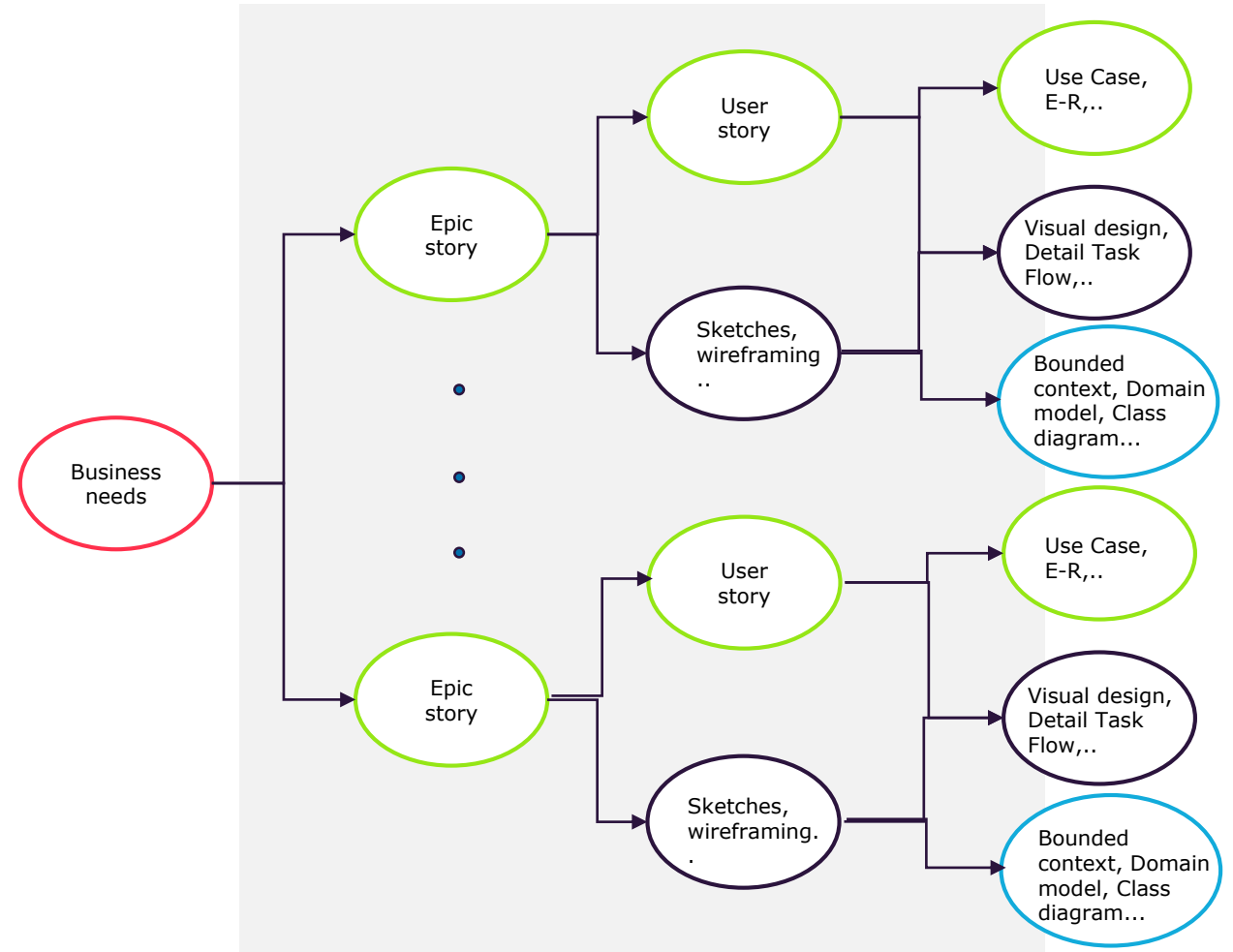
Agile design flow



The Solution Design Office (SDO) will follow this agile design flow to model the solution for the business needs.

The SDO will meet the customer to understand those needs, extract the user journey and ideate the possible uses of the product.

Those elements will be used to articulate and validate with customer a collection of epics, user stories and sketches that shall give meaning and value to the software, APIs and interfaces. In the end, the Solution Design Office shall create all the necessary support material for development.



Customer input



Business Analysis



UX Design



Architecture



Sprint 0

Solution Design sprint

Sprint where the Solution Design Office get to **understand** the **needs** of the customer, why they are necessary and what is the **Minimum Viable Product** (MVP) that provides the most value to customer.

Core team

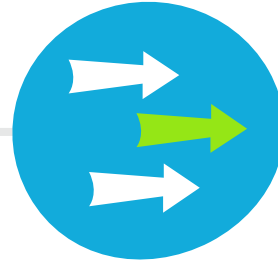
- Business Analyst
- UX Designer
- Architect

Explore and define



Sprint 0

The end result is a clear definition of the problem and a framework for the solution.



Outcomes

Purpose
Objectives
Glossary of terms
Initial requirements



Deliverables

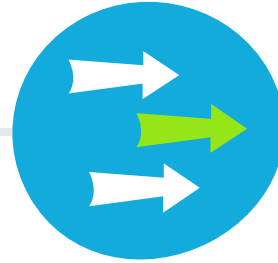
Analysis overview

Ideate and prototype



Sprint 0

The end result is a validated concept with brand/visual design vision, content strategy, interaction design guidelines and a proven technical solution to accelerate development.



Outcomes

Epics
User stories
Interactive prototype
Wireframes



Deliverables

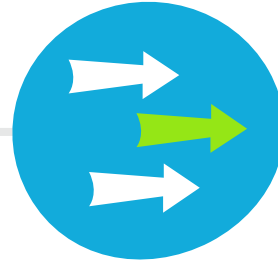
First Steps Analysis
Accelerated Solution
Design
Style Guide and assets
UATs

Empathize and test



Sprint 0

The ultimate end result is a complete solution accepted by the customer.



Outcomes

UAT results
Test status
Proposed changes



Deliverables

UAT report



Sprint 1

Development sprint

Sprint where developers **develop** the software **solution** and produce all the necessary prototypes.

Core team

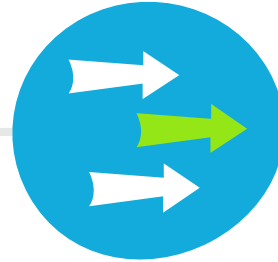
Developers

Ideate and Prototype



Sprint 1

The end result is a prototype that implements the user stories included in the sprint backlog.



Outcomes

Prototype



Deliverables

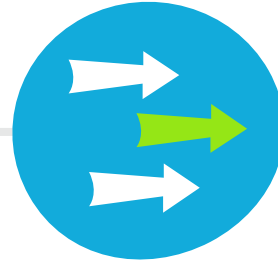
Intention to produce an artifact which is visual and tangible

Empathize and test



Sprint 1

The ultimate end result is a complete solution accepted by the customer.



Outcomes

UAT results
Test status
Proposed changes



Deliverables

UAT report



Collaboration tools

The team shall use collaboration software to share and communicate the design and implementation of the solution.

There will be two supported options:

1



2



Conclusions



How the customer explained it



How the project leader understood it



How the analyst designed it



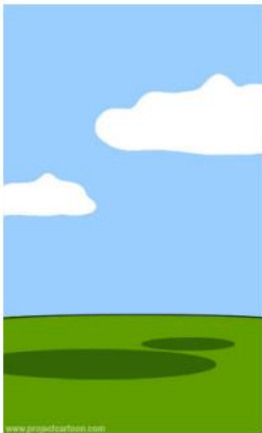
How the programmer wrote it



What the beta testers received



How the business consultant described it



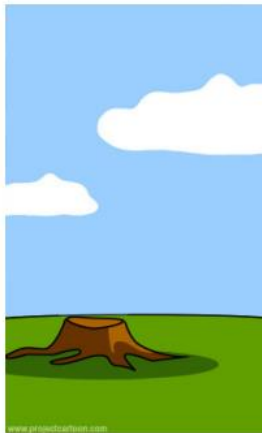
How the project was documented



What operations installed



How the customer was billed



How it was supported



What marketing advertised



What the customer really needed



People matter, results count.

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